

102.9 Gilding Metal (disk form)

The following four series of SRMs were produced through a cooperative program between NIST and the Institute for Non-Ferrous Metals (IMN), Gliwice, Poland and funded under the auspices of the Second Maria Sklodowska-Curie Fund. Development, characterization and certification of these brasses were carried out by IMN; homogeneity testing was performed by NIST. SRMs 1776 through 1780 are in the form of disks approximately 39.5 mm diameter and 20 mm thick; SRMs 1781 through 1785 are in the form of disks 39 mm diameter and 19 mm thick; SRMs 1786 through 1790 are in the form of disks 39 mm diameter and 25 mm thick; SRMs 1791 through 1795 are in the form of disks 38 mm diameter and 24 mm thick.

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Elemental Composition (mass fraction, in %)																			
SRM	Description	Fe	Pb	Ni	Mn	Cd	Sb	Sn	Ag	As	Bi	P	S	Al	Te	Be	Si	Zn	Cu
1791	Gilding Metal MI1	0.25	0.0060	0.0059	0.0030	0.023	0.000044	0.15	0.0038	0.072	0.00063	0.028	0.043	0.040	0.0065	0.000091	0.0032	3.57	95.69
1792	Gilding Metal MI2	0.16	0.016	0.018	0.0081	0.016	0.0019	0.10	0.0090	0.054	0.00056	0.022	0.049	0.055	0.011	0.00085	0.012	6.19	93.35
1793	Gilding Metal MI3	0.086	0.042	0.073	0.035	0.011		0.067	0.020	0.034	0.0026	0.015	0.023	0.015	0.0031	0.0019	0.031	8.01	91.46
1794	Gilding Metal MI4	0.041	0.070	0.14	0.050	0.00054	0.00067	0.013	0.026	0.0031	0.0026	0.0073	0.012	0.0079	0.0021	0.0065	0.060	11.13	88.35
1795	Gilding Metal MI5	0.015	0.096	0.25	0.069	0.0012	0.0096	0.0040	0.033	0.015	0.0043	0.0026	0.0019	0.0021		0.0072	0.082	4.44	94.71